

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer controlled method comprising:
 2. providing a security credential to a medical wireless sensor associated with a patient at an enrollment station associated with a medical facility;
 4. establishing communication between the medical sensor and a provisioning device over a bidirectional location-limited channel, the wireless sensor configured to send the security credential to the provisioning device over the location-limited channel and to receive a commitment from the provisioning device over the location-limited channel;
 9. receiving from the provisioning device over the bidirectional location-limited channel at least one of provisioning information or additional application-specific information, site-specific information, network-specific information, or other information that can be used by the wireless sensor from the provisioning device over the location-limited channel, wherein the provisioning information includes a credential and wherein the credential facilitates the wireless sensor to become a member of a secure credential infrastructure; and
 16. automatically configuring the wireless sensor for transmitting sensor information over a secure communication channel responsive to the provisioning information.
1. 2. (Previously Presented) The computer controlled method of claim 1, wherein the provisioning information comprises a credential.

1 3. (Previously Presented) The computer controlled method of claim 1, wherein
2 the provisioning information further comprises one or more of patient data, limit
3 data, alarm data, dosage data, interval data, access data, physician data, caregiver
4 data, nurse data, insurance data or room assignment data.

1 4. (Previously Presented) The computer controlled method of claim 3, further
2 comprising transmitting the sensor information over the secure communication
3 channel.

1 5. (Previously Presented) The computer controlled method of claim 1,
2 wherein the provisioning information further comprises one or more of sensitivity
3 data, target data, image recognition data, or noise characteristics.

1 6. (Previously Presented) The computer controlled method of claim 1,
2 wherein the wireless sensor senses one or more of medical information, location
3 information, proximity information, environmental information, or vehicle
4 information.

1 7. (Currently Amended) A computer-readable storage medium storing
2 instructions that when executed by a computer cause the computer to perform a
3 method comprising steps of:
4 providing a security credential to a medical wireless sensor associated
5 with a patient at an enrollment station associated with a medical facility;
6 establishing communication between the medical sensor and a provisioning
7 device over a bidirectional location-limited channel, the wireless sensor configured to
8 send the security credential to the provisioning device over the location-limited
9 channel and to receive a commitment from the provisioning device over the location-
10 limited channel;

11 receiving from the provisioning device over the bidirectional location limited
12 channel at least one of provisioning information or additional application-specific
13 information, site-specific information, network-specific information, or other
14 information that can be used by the wireless sensor from the provisioning device over
15 the location limited channel, wherein the provisioning information includes a
16 credential and wherein the credential facilitates the wireless sensor to become a
17 member of a secure credential infrastructure; and
18 automatically configuring the wireless sensor for transmitting sensor
19 information over a secure communication channel responsive to said provisioning
20 information.

1 8. (Previously Presented) The computer-readable storage medium of
2 claim 7, wherein the provisioning information comprises a credential.

1 9. (Previously Presented) The computer-readable storage medium of claim 7,
2 wherein the provisioning information further comprises one or more of patient data,
3 limit data, alarm data, dosage data, interval data, access data, physician data, caregiver
4 data, nurse data, insurance data or room assignment data.

1 10. (Previously Presented) The computer-readable storage medium of claim 9,
2 further comprising transmitting the sensor information over the secure
3 communication channel.

1 11. (Previously Presented) The computer-readable storage medium of claim 7,
2 wherein the provisioning information further comprises one or more of sensitivity
3 data, target data, image recognition data, or noise characteristics.

1 12. (Previously Presented) The computer-readable storage medium of claim 7,
2 wherein the wireless sensor senses one or more of medical information, location

3 information, proximity information, environmental information, or vehicle
4 information.

1 13. (Currently Amended) A wireless apparatus comprising:
2 a mechanism configured to provide a security credential to a medical wireless
3 sensor associated with a patient at an enrollment station associated with a medical
4 facility;
5 at least one port configured to establish a bidirectional location-limited
6 channel;
7 a preferred channel communication mechanism configured to establish
8 communication with a provisioning device over the bidirectional location-limited
9 channel, the preferred channel communication mechanism further configured to send
10 the security credential to the provisioning device over the bidirectional location-
11 limited channel and to receive a commitment from the provisioning device over the
12 bidirectional location-limited channel;
13 a receiver mechanism configured to receive from the provisioning device over
14 the bidirectional location-limited channel at least one of provisioning information or
15 additional application-specific information, site-specific information, network-
16 specific information, or other information that can be used by the wireless sensor
17 from said provisioning device over the location-limited channel, wherein the
18 provisioning information includes a credential and wherein the credential
19 facilitates the wireless sensor to become a member of a secure credential
20 infrastructure; and
21 an automatic configuration mechanism to enable the wireless sensor to
22 transmit sensor information over a secure communication channel established
23 responsive to said provisioning information.

1 14. (Previously Presented) The apparatus of claim 13, wherein the
2 provisioning information comprises a credential.
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1 15. (Previously Presented) The apparatus of claim 13, wherein the
2 provisioning information further comprises one or more of patient data, limit data,
3 alarm data, dosage data, interval data, access data, physician data, caregiver data,
4 nurse data, insurance data, room assignment data, sensitivity data, target data, image
5 recognition data, activation data, or noise characteristics.

1 16. (Previously Presented) The apparatus of claim 15, further comprising a
2 transmission mechanism configured to transmit the sensor information over the
3 secure communication channel.

1 17. (Previously Presented) The apparatus of claim 13, further comprising a
2 sensor for measuring the sensor information.

1 18. (Previously Presented) The apparatus of claim 13, wherein the wireless
2 sensor senses one or more of medical information, location information, proximity
3 information, environmental information, or vehicle information.

1 19. (Previously Presented) The apparatus of claim 13, wherein the sensor
2 information is status information about the apparatus.

1 20. (Currently Amended) The computer controlled method of claim 1,
2 wherein the bidirectional location-limited channel comprises a single preferred
3 location-limited channel capable of communicating both from the wireless sensor to
4 the provisioning device and from the provisioning device to the wireless sensor.

1 21. (Currently Amended) The computer controlled method of claim 1,
2 wherein the bidirectional location-limited channel comprises two separate channels,

3 including a first location-limited channel capable of communicating from the wireless
4 sensor to the provisioning device and a second location-limited channel capable of
5 communicating from the provisioning device to the wireless sensor.

1 22. (Currently Amended) The computer-readable storage medium of claim 7,
2 wherein the bidirectional location-limited channel comprises a single location-
3 limited channel capable of communicating both from the wireless sensor to the
4 provisioning device and from the provisioning device to the wireless sensor.

1 23. (Currently Amended) The computer-readable storage medium of claim 7,
2 wherein the bidirectional location-limited channel comprises two separate channels,
3 including a first location-limited channel capable of communicating from the wireless
4 sensor to the provisioning device and a second location-limited channel capable of
5 communicating from the provisioning device to the wireless sensor.

1 24. (Currently Amended) The apparatus of claim 13, wherein the
2 bidirectional location-limited channel comprises a single location-limited channel
3 capable of communicating both from the wireless sensor to the provisioning device
4 and from the provisioning device to the wireless sensor.

1 25. (Currently Amended) The apparatus of claim 13, wherein the
2 bidirectional location-limited channel comprises two separate channels, including a
3 first location-limited channel capable of communicating from the wireless sensor to
4 the provisioning device and a second location-limited channel capable of
5 communicating from the provisioning device to the wireless sensor.